CONTENTS

Vol. 104, No. 1, May, 1971

Regional Cerebral Blood Flow in Apoplexy Measured by ^{133}Xe Clearance Method *T. Iwabuchi, H. Kawakami, K. Uemura and T. Kutsuzawa* 1

***Mycoplasma pneumoniae* Pneumonia with Pleural Effusion, with Special Reference to Isolation of *Mycoplasma pneumoniae* from Pleural Fluid** *T. Nakao, T. Orii and M. Umetsu* 13

Dermatoglyphics in Rubinstein-Taybi Syndrome in Japan *H. Shiono, R. Minami, M. Shinoda and T. Nakao* 19

Scanning Electron Microscopic Study of Cholesterol Gallstones *T. Ogata and F. Murata* 25

Significance of Pyloromyotomy and Pyloroplasty *T. Maki, T. Shiratori, K. Nagaoka and T. Okabayashi* 45

Morphologie der Sinnesepithelien des Vestibularorgans *K. Watanuki und A. Meyer zum Gottesberge* 55

Effect of Human Chorionic Gonadotrophin on the Discharge of Ascorbic Acid from the Canine Testis *H. Koba, K. Kawao and K. Yamashita* 65

Adrenal Biopsy for Urological Renal Diseases Compared with Biochemical Laboratory Findings *H. Nihira, T. Kashiwagi, J. Okita, T. Komiya, M. Takara, K. Tajiri, T. Koganemaru, N. Sasano and T. Fukuda* 73

Effect of Tissue Fixation on the Histochemical Identification of Acid Mucopolysaccharides *Y. Sasai* 85

ABO Blood Group Antigens on HeLa-S3 Cell Shown by Elution Method *T. Ebina, M. Homma, N. Ishida and T. Kudo* 93

Automatic Recording of Dose Distribution in Moving-field Radiotherapy *T. Kitabatake and H. Hinata* 99

Vol. 104, No. 2, June, 1971

Effect of Trasylol on the Action of Muscle Relaxants and the Serum Cholinesterase Activity *K. Iwatsuki, Y. Hashimoto and T. Shima* 105

Modified Neuroleptanesthesia Using Droperidol and Pentazocine *K. Iwatsuki, M. Suzuki, T. Yusa and Y. Hashimoto* 111

Structure of Reissner's Membrane in the Cat Cochlea — A Light Microscopic Study *K. Watanuki, K. Kawamoto and S. Katagiri* 121

Micro-angiography of Normal and Pathologic Human Adrenals in Prenatal and Aging Course
N. Sasano, Y. Takezawa, H. Sato and N. Horikawa 129

Surgical Repair for Corrected Transposition of the Great Arteries with Severe Pulmonary Stenosis
T. Horiuchi, T. Abe, T. Ishitoya, S. Tanaka, R. Kuribayashi, Y. Okada and E. Ishizawa 143

F_1-to-maternal Skin Graftings across the H-2 Incompatibility in Mice
M. Ishizaki 151

Pharmacological Features of the Gall Bladder and Its Vascular Bed of the Dog *in situ*
K. Tamura, M. Endoh and K. Hashimoto 157

Degradation of the Side-chain of Cortisol by Lens Homogenate
S. Ono, H. Hirano and K. Obara 171

Hypersegmentation of Nuclear Lobes of Megakaryocytes in Rats with Folic Acid Deficiency
O. Higashi, Y. Honda, M. Karita and Ts. Arakawa 177

Hypersegmentation of Megakaryocytes in a Folic-acid Deficient Child
O. Higashi, Ts. Arakawa, K. Narisawa, T. Yoshida, M. Karita, Y. Honda and M. Sanjo 183

Vitamin B_6-dependency of Glutamic Acid Decarboxylase in the Kidney from a Patient with Vitamin B_6 Dependent Convulsion
T. Yoshida, K. Tada and Ts. Arakawa 195

Evidence for the Presence of Non-adrenergic Inhibitory Nerves in the Human Taenia Coli
A. Rikimaru, Y. Fukushi and T. Suzuki 199

The Periellipsoidal Lymphoid Tissue in Chick Spleen: A Bursa-dependent Area of the White Pulp
T. Mori and H. Hoshi 201

Role of Dopamine in the Secretory Mechanism of the Canine Pancreas
O. Takeuchi, S. Satoh and K. Hashimoto 203

Vol. 104, No. 3, July, 1971

A Comparative Ultrastructural Study on Drug-induced Proliferation of Smooth-surfaced Endoplasmic Reticulum in Hepatocytes
B.D. Garg, J.A. Blascheck and K. Kovacs 205

Comparative Studies on the Adsorption of Vitamin B_{12} to Intestinal Mucosa Homogenate of Adult and Unweaned Rats
S. Yamada, Y. Yokoyama and S. Kimura 215

Lipid Changes in Serum Following Drug Shock and Intoxication
K. Murata and K. Nakazawa 225

Clinical and Experimental Studies on Cerebral Hypernatremia
T. Mineta, E. Tsutsumi, H. Suzuki and M. Kasai 233

A Technique for Monitoring Ureteral Peristalsis to Remove the Effect of Changing Urine Flow
S. Tsuchida 251

Abnormal Eustachian Valve *G. Niwayama and V.V. Vadakan* 263
Intestinal Obstruction Associated with Fibrocystic Disease of the Pancreas *G. Niwayama and V.V. Vadakan* 289
Changes of the Radioactive Iodine Uptake and in the Iodoamino Acids Pattern of Thyroid in Rats in the Course of Advancement of Iodine Deficiency *J. Suwa, S. Kimura and T. Koyanagi* 301

Vol. 104, No. 4, August, 1971

Urocanic Aciduria: A Defect in the Urocanase Activity in the Liver of a Mentally Retarded *T. Yoshida, K. Tada, Y. Honda and Ts. Arakawa* 305
Phasic and Tonic Response in the Cat Optic Nerve Fibers — Stimulus-response Relations *H. Saito, T. Shimahara and Y. Fukada* 313
Effects of Maltose on Insulin Secretion in Perfused Rat Pancreas *T. Toyota, Y. Ando, H. Nishimura and Y. Hirata* 325
Hypokalemia in Experimental Renovascular Hypertension *J. Fujii and Y. Yazaki* 331
Effects of Feeding of Improved Rice Diet on Rats *T. Koyanagi, T. Takanohashi, K. Oikawa, T. Kimura and M. Kaneko* 335
Spinal Root Pathway of the Adrenal Medullary Secretory Nerve Fibers in the Dog *S. Waki* 341
Comparative Studies on the Adrenal Medullary and Cortical Response to Histamine *S. Narita* 349
Metabolism of Phosphatidylcholine in Brain and Liver of Developing Rats *N. Chida and Ts. Arakawa* 359
Stochastic Properties of Spontaneous Impulse Activity in Central Single Neurons *H. Nakahama, N. Ishii, M. Yamamoto and H. Saito* 373